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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Seo Weon Heo; Ivonete Markman; Jeongsoon Park; Saul Brian Gelfand

Int'l Appln. No.

PCT/US03/10889

Int'l Filed

April 9, 2003

For

DECISION FEEDBACK EQUALIZER

APPOINTMENT OF ASSOCIATE ATTORNEY

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

I,Ronald H. Kurdyla, an attorney of record, hereby appoint Joseph J. Opalach, Reg. No. 36,229. Telephone: (609-734-6839), as associate attorney in the above-identified application, with full power to prosecute the above-identified application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:

Joseph S. Tripoli
Patent Operations
THOMSON Licensing Inc.
P.O. Box 5312
Princeton, NJ 08543-5312

Date: October 14, 2004

Respectfully submitted,

Seo Weon Heo Ivonete Markman Jeongsoon Park Saul Brian Ge<u>lfand</u>:

Bv

Ronald H. Kurdyla, Attorney

Reg. No. 26,932

Phone: (609) 734-6818

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PU020118 **Attorney Docket Number DECLARATION FOR UTILITY OR** Seo Weon Heo, et al. First Named Inventor **DESIGN** COMPLETE IF KNOWN PATENT APPLICATION (37 CFR 1.63) **Application Number** ☑Declaration □ Declaration Filing Date OR Submitted after Initial Submitted Filing (surcharge Group Art Unit With Initial (37 CFR 1.16 (e)) Filing required) **Examiner Name**

As a below named inventor, I hereby declare that:								
My residence, post office address, and citizenship are as stated below next to my name.								
I believe I am the original, fin	st and s	ole inventor (if only one er which is claimed and	e name is listed below) or I for which a patent is sou	an original, first and jo ght on the invention en	int inventor (if plura titled:	al names		
are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DECISION FEEDBACK EQUALIZER								
the specification of which		(Title of the	e Invention)			Ì		
is attached hereto								
OR								
was filed on (MM/DD/	YYYY)		as United States	Application Number or	PCT International	·		
Application Number		and	was amended on (MM/DD)/////)	(if	applicable).		
I hereby state that I have review specifically referred to above.								
I acknowledge the duty to disclapplications, material informati international filing date of the c	on whic	h became available be	tween the filing date of the	ned in 37 CFR 1.56, in e prior application and	cluding for continu the national or PC	ation-in-part T		
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.								
Prior Foreign Application			Foreign Filing Date	Priority .	Certified Copy	Attached?		
Number(s)		Country	(MM/DD/YYYY) Countr	y Not Claimed	YES	NO		
☐ Additional foreign application	on numi	pers are listed on a sup	plemental priority data sh	eet PTO/SB/02B attac	hed hereto:			
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[Page 1 of 2]

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NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor									
Given SEO WEON Family Name HEO or Surname									
Inventor's Signature Date Mar 18, 20							ate Mar 18, 2003		
Residence: City			Stat	te	- 1	Country			itizenship
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City		State			ZIP	ZIP 152-090 Country			
Seoul		South #	Corea			142-090 South Korea			
NAME OF SEC	OND INVENT						en filed fo	r this	unsigned inventor
Given Name IV	ONETE				F	amily Name MA r Surname			
Inventor's Signature						ate			
Residence: Cit	v			State		Country			Citizenship
Carmel Indiana					- 1			Brazilian	
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Carmel		Indiana			ı	46032	USA		
Manual State of the Language and the Language and Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.									

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ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>

Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor					
Given Name (first and middl	e (if any))	Family Name or Sumame					
JEONGSOON		PARK					
Inventor's Signature			Date				
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Mailing Address 738 Young Graduate House							
Mailing Address							
City West Lafayette	Indiana	47906 ZIP	USA Country				
Name of Additional Joint Inventor, if any:		A petition has been file	ed for this unsigned inventor				
Given Name (first and midd	e [if any])	f anyl) Family Name or Surname					
SAUL BRIAN		GELFAND					
Inventor's Signature			Date				
Residence: City Lafayette	State Indiana	Country USA	Citizenship USA				
Mailing Address 70 Sugar Maple Co	ourt						
Mailing Address							
City Lafayette	State Indiana	Zlp 47905	Country USA				
Name of Additional Joint Inventor, if any:		☐ A petition has been fil	ed for this unsigned inventor				
Given Name (first and midd	le [if any])	Family Name or Surname					
Inventor's Signature			Date				
Residence: City	State	Country	Citizenship				
Mailing Address							
Mailing Address							
City	State	Zip	Country				

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PU020118 **Attorney Docket Number DECLARATION FOR UTILITY OR** Seo Weon Heo, et al. First Named Inventor **DESIGN** COMPLETE IF KNOWN PATENT APPLICATION (37 CFR 1.63) **Application Number ⊠**Declaration Declaration Filing Date Submitted OR Submitted after Initial With Initial Filing (surcharge Group Art Unit (37 CFR 1.16 (e)) Filing required) **Examiner Name**

As a below named inventor, I hereby declare that:								
My residence, post office address, and citizenship are as stated below next to my name.								
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:								
DECISION FEEDBACK EQUALIZER								
the specification of which	(Title of the	e Invention)						
is attached hereto								
OR								
□ was filed on (MM/DD/Y)	YYY)	as United States A	pplication Number or	PCT Internationa	d			
Application Number	and	was amended on (MM/DD/	YYYY)	(i	f applicable).			
I hereby state that I have review specifically referred to above.	red and understand the conte	nts of the above identified s	pecification, including	g the claims as an	nended			
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.								
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.								
Prior Foreign Application		Foreign Filing Date	Priority	Certified Copy	Attached?			
Number(s)	Country	(MM/DD/YYYY) Country	Not Claimed	YES	NO			
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☐ Additional foreign application	n numbers are listed on a sup	plemental priority data she	et PTO/SB/02B attac	hed hereto:				
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.								
ApplicationNumber(s)		MM/DD/YYYY)						
60/373,970	04/16/2002		numbers a a supplem	provisional app re listed on ental priority da 2B attached her	ta sheet			

[Page 1 of 2]

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<u> </u>	Address	P.O. Box 5312								
	City						State		ZIP	
L	PRINCETON						NJ		08543	-5312
	Country		1	elepho	one					Fax
	USA			609) 734						734 - 6888
	I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.									
,	NAME OF SOL	E OR FIRST II			A petition has be	een filed fo	r this I	unsigned inventor		
	Given Name SEO WEON						Family Name HEO or Surname			
<u> </u>	Inventor's Signature						Da	ite		
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	Additional	Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.								

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Mailing Address							
City Lafayette	State Indiana	Zip 47905	Country USA				
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Given Name (first and mide	dle (if any))	Family Name or Sumame					
Carrott Carrot							
Inventor's Signature			Date				
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DECLARATION FOR UTILITY OR	Attorney Docket Number PU020118 First Named Inventor Seo Weon Heo, et al.				
DESIGN PATENT APPLICATION	COMPLETE IF KNOWN				
(37 CFR 1.63)	Application Number	1			
	Filing Date	: · · · · · · · · · · · · · · · · · · ·			
With Initial Filing (surcharge	Group Art Unit				
Filing (37 CFR 1.16 (e)) required)	Examiner Name				

As a below named inve	ntor, I hereby declare tha	at:		•					
My residence, post office	address, and citizenship a	are as stated below nex	t to my name.						
I believe I am the original, fir are listed below) of the subje	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:								
DECISION FEEDE	DECISION FEEDBACK EQUALIZER 🗸								
the specification of which	(Title of th	e Invention)							
is attached hereto									
OR									
was filed on (MM/DD/	YYYY)	as United States	Application Number or	PCT Internationa	al]				
Application Number	and	was amended on (MM/DD/	YYYY)	(i	f applicable).				
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or 365(a) of any PCT internation	I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.								
Prior Foreign Application		Foreign Filing Date	Priority	Certified Copy	Attached?				
Number(s)	Country	(MM/DD/YYYY) Country	Not Claimed	YES	NO				
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☐ Additional foreign application	on numbers are listed on a sup	plemental priority data she	et PTO/SB/02B attac	hed hereto:					
	er 35 U.S.C. 119(e) of any Unit								
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60/373,970	04/16/2002		Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.						

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Address P.O. Box 5312								
City					State		ZIP	
PRINCETON			<u> </u>		NJ		08543-5312	
Country		Te	elephone				Fax	
_USA			09) 734 - 6818				(609) 734 - 6888-	
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NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor								
Given Name SEO WEON Family Name HEO or Surname								
Inventor's Signature						Date		
Residence: City	,		State	ate Country			Citizenship	
Seoul			South Korea	<u> s</u>	outh Korea	Korean		
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City		State			ZIP		Country	
Carmel		Indiana			46032		USA	
Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.								

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) JEONGSOON		PARK				
Inventor's Jeongsoom Park			ラ/2V/03 Date			
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Mailing Address						
City West Lafayette	Indiana _State	47906 47906 ZIP	USA Country			
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor				
Given Name (first and midd	le [if any])	Family Name or Sumame				
7) _SAUL BRIAN		GELFAND				
Inventor's Saul Great	-d		3 [27 10]			
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Mailing Address 70 Sugar Maple Co	ourt .					
Mailing Address						
City Lafayette	State Indiana	Zip 47905	Country USA			
Name of Additional Joint Inventor, if any:		A petition has been filed	d for this unsigned inventor			
Given Name (first and midd	lle [if any])	Family Name or Sumame				
Inventor's Signature			Date			
Residence: City	State	Country Citizenship				
Mailing Address						
Mailing Address						
City	State	Zip	Country coing upon the needs of the individual case. At			